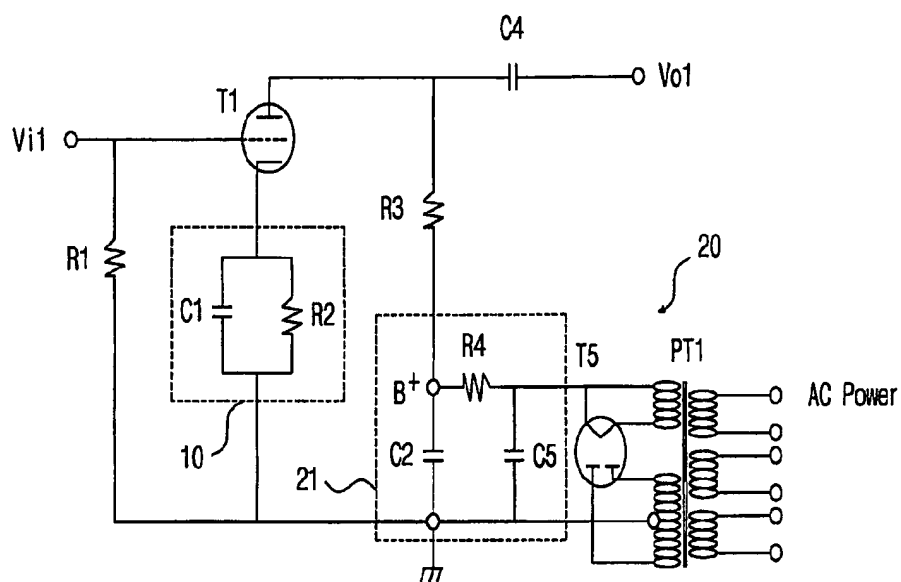


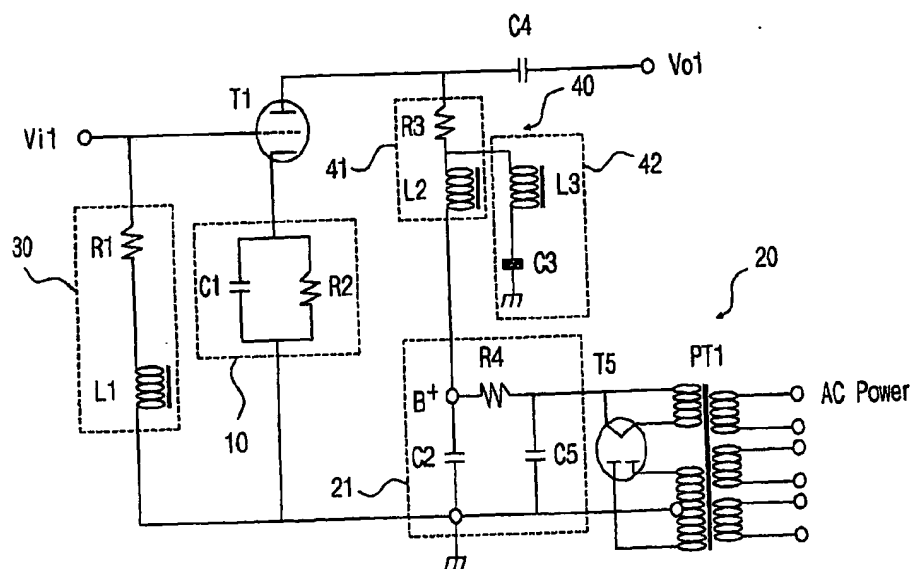
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Fig.1



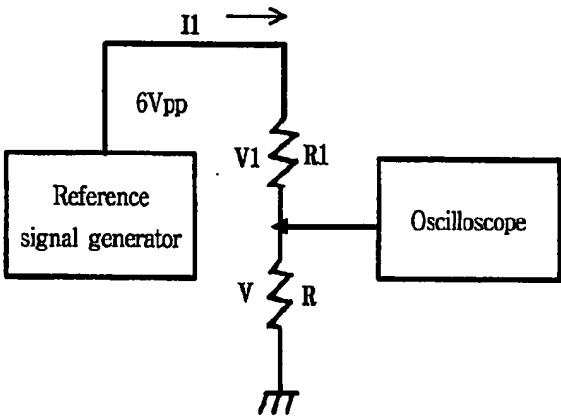
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Fig.2A



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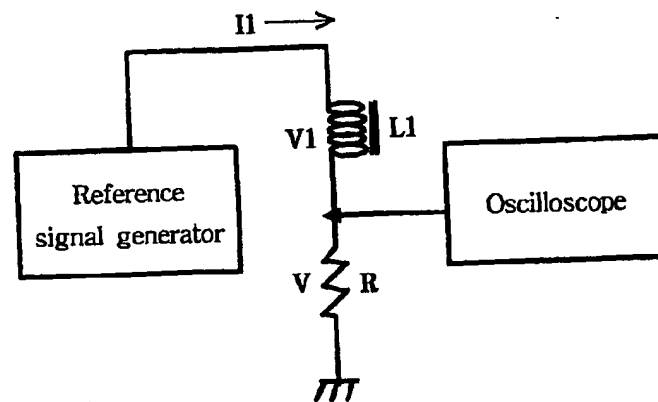
Fig.2B



Frequency(f)	Voltage(V1)	Voltage(V)	Resistor(R1)
20 Hz	3.6 V	2.4 V	270 K $\Omega$
100 Hz	3.6 V	2.4 V	270 K $\Omega$
3 KHz	3.6 V	2.4 V	270 K $\Omega$
10 KHz	4 V	2 V	270 K $\Omega$
15 KHz	4.2 V	1.8 V	270 K $\Omega$
20 KHz	4.4 V	1.6 V	270 K $\Omega$

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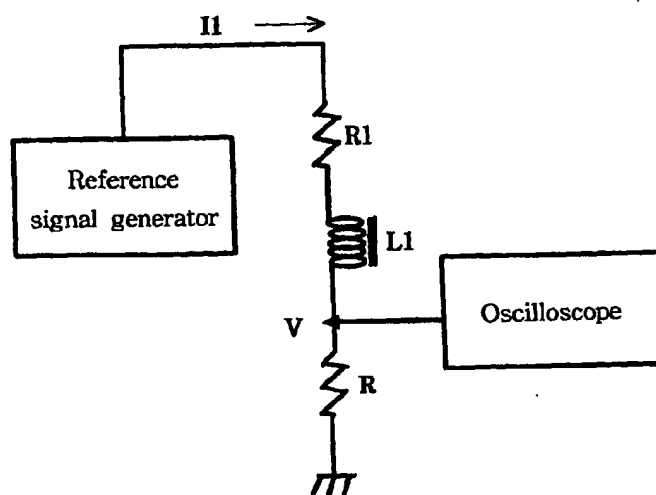
Fig.2C



Frequency(f)	Voltage(V1)	Voltage(V)	AC resistance(L1)
20 Hz	0 V	6 V	628 $\Omega$
100 Hz	0.4 V	5.6 V	3.14 K $\Omega$
3 KHz	1.4 V	4.6 V	94.2 K $\Omega$
10 KHz	2.4 V	3.6 V	341 K $\Omega$
15 KHz	2 V	4 V	471 K $\Omega$
20 KHz	2 V	4 V	628 K $\Omega$

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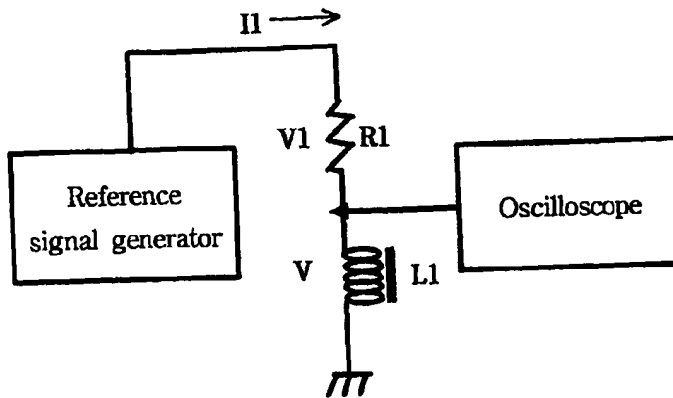
Fig.2D



Frequency(f)	Voltage(V1)	Voltage(V)	AC resistance(L1)
20 Hz	2.4 V	270 K $\Omega$	628 $\Omega$
100 Hz	2.4 V	270 K $\Omega$	3.14 K $\Omega$
3 KHz	2.4 V	270 K $\Omega$	94.2 K $\Omega$
10 KHz	1.6 V	270 K $\Omega$	341 K $\Omega$
15 KHz	1.6 V	270 K $\Omega$	471 K $\Omega$
20 KHz	1.2 V	270 K $\Omega$	628 K $\Omega$

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Fig.2E



Frequency(f)	Voltage(V1)	Voltage(V)	AC resistance(L1)
20 Hz	6 V	0 V	628 $\Omega$
100 Hz	5.8 V	0.2 V	3.14 K $\Omega$
3 KHz	4.4 V	1.6 V	94.2 K $\Omega$
10 KHz	4.6 V	1.4 V	341 K $\Omega$
15 KHz	5.2 V	0.8 V	471 K $\Omega$
20 KHz	5.2 V	0.8 V	628 K $\Omega$

Fig.3

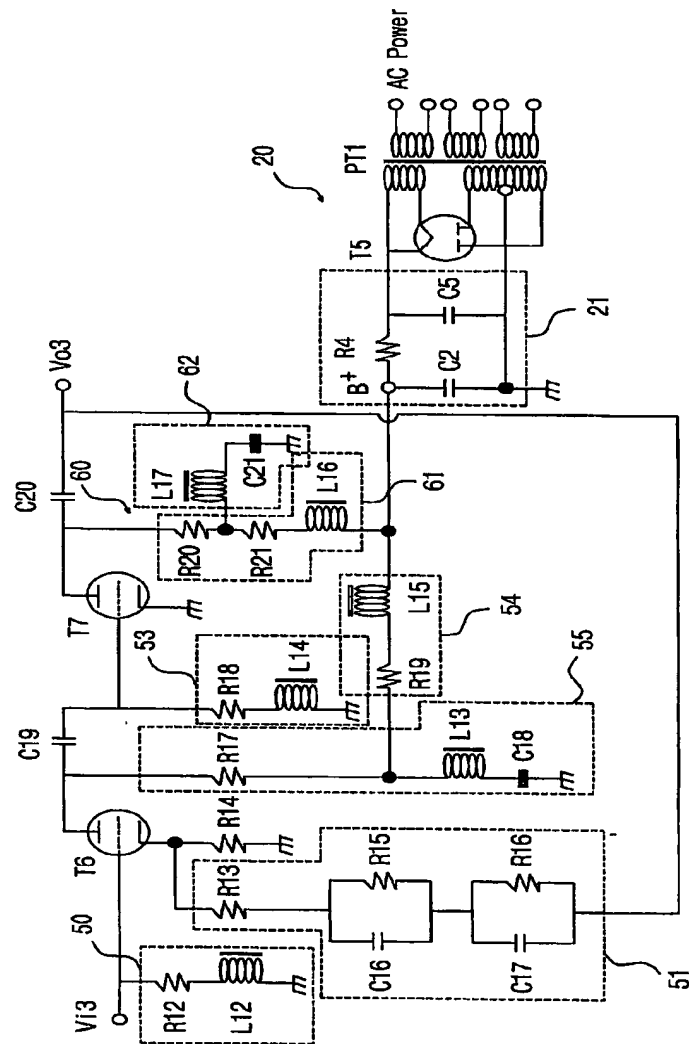
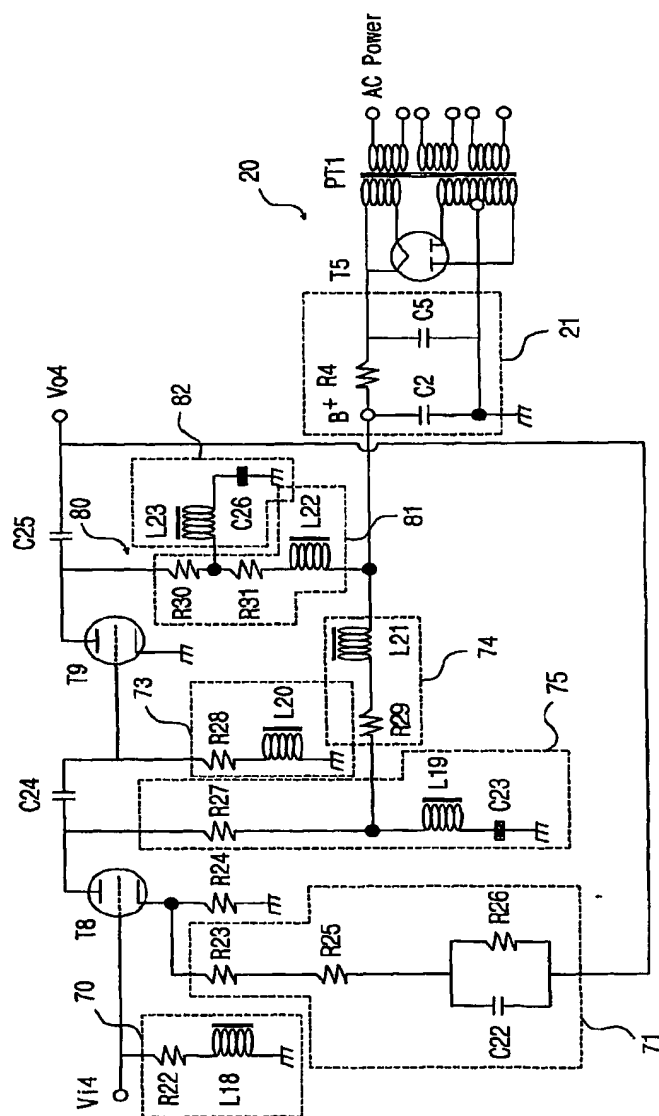


Fig.4





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Fig.5

